

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 06/03/04

Date Received: 05/07/04

Project: Metro Grab, PO# M104181, F&BI 405062

Date Extracted: 05/27/04

Date Analyzed: 06/01/04

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M104181 405062-01	0.57	2.2	1.6	0.44
Method Blank	<0.05	<0.05	<0.10	<0.05

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**QUALITY ASSURANCE RESULTS  
FROM TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Laboratory Code: 405266-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	2	0.53	102	90	50-150	13
Copper	mg/L (ppm)	2	0.66	102	94	50-150	8
Nickel	mg/L (ppm)	4	0.60	105	92	50-150	13
Zinc	mg/L (ppm)	2	<0.05	113	97	50-150	15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	2	102	70-130
Copper	mg/L (ppm)	2	104	70-130
Nickel	mg/L (ppm)	4	104	70-130
Zinc	mg/L (ppm)	2	108	70-130

405062

## SAMPLE CHAIN OF CUSTODY

CM 05/07/04

BI

Send Report To

G. Thompson

Company

Alaska Copper Works

Address

628 S. Harbor St

City, State, ZIP

Seattle WA

Phone #

206-382-8379

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

Metro Gas

PO #

M104181

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M 104181	01	5/7/04	9:40 AM	H2O	1											

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

G. Thompson

Nhan Phan

COMPANY

ACW

F &amp; BI

DATE

5/7/04

5/7/04

TIME

10:45 AM

10:45

AKC-0008287

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

June 3, 2004

**DUPLICATE COPY**

**INVOICE #04ACU0603-4**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Grab, PO# M104181, F&BI 405062 - Results of testing  
requested by Gerry Thompson for material submitted on May 7, 2004.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc  
by Method 6010B @ \$80 per sample

\$ 80.00

Amount Due .....

\$ 80.00

FEDERAL TAX ID # (b) (6)



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June 3, 2004

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

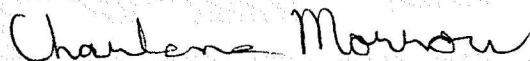
Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 7, 2004 from the Metro Grab, PO# M104181, F&BI 405062 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow  
Chemist

Enclosures  
ACU0603R.DOC